Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/06/2016 10:54 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125660	0	3.36	125603	3.35
Blue	F	SSC	125000	126629	1	5.75	127786	5.77
Blue	E	FITC	17316	16755	-4	4.15	946	9.91
Blue	D	PE	22501	21936	-3	3.84	986	8.72
Blue	B	PerCP-Cy5-5	67647	67956	0	4.28	1787	13.78
Blue	A	PE-Cy7	80682	80583	-1	5.13	1052	25.82
Red	C	APC	64263	63677	-1	2.74	3590	8.35
Red	A	APC-Cy7	96129	96549	0	2.81	1910	8.20
Violet	B	V450	11714	11138	-5	3.93	693	8.34
Violet	A	V500	48394	47453	-2	3.57	2681	6.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19551	5.06	599	10	N/A	N/A	Pass
Blue	F	SSC	63001	4.90	523	9	N/A	N/A	Pass
Blue	E	FITC	102	38.02	521	1	0.0232	205	Pass
Blue	D	PE	203	25.99	516	2	0.1848	202	Pass
Blue	B	PerCP-Cy5-5	216	40.68	612	5	0.0108	11	Pass
Blue	A	PE-Cy7	77	105.54	669	6	0.0141	18	Pass
Red	C	APC	335	27.14	587	2	0.0202	24	Pass
Red	A	APC-Cy7	120	39.16	567	2	0.0046	832	Pass
Violet	B	V450	74	41.18	458	2	0.0446	1696	Pass
Violet	A	V500	175	23.89	491	4	0.0130	441	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.00	-30.76	0.83
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	15.41	13.28 - 19.92	N/A	N/A	31.19	31.54	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10108

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments